

## SEVERE LOCAL STORMS, JULY 1934

[Compiled by Mary O. Souder]

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Cleveland, Ohio.....	1	2:30 p.m.			\$1,000	Tornado.....	No details.....	Official, U.S. Weather Bureau.
Tonawanda, N.Y., and vicinity.	1	3:15-3:30 p.m.				Thundersquall.....	A lightning bolt entered the transforming plant of the New York Central car shops causing several thousand dollars damage and endangered the lives of several workmen; many old trees blown down.	Do.
Marietta, Minn., vicinity of....	1	5 p.m.			7,500	Heavy hail and wind.	Some hailstones as large as hen eggs; property damage amounted to \$50,000; damage to crops, \$25,000.	Do.
Plummer, Minn., and vicinity.	1				2,700	Wind.....	Property damage.....	Do.
Traverse City, Minn., north-eastern portion.	1					Hail.....	Considerable damage to growing crops.....	Do.
Clearwater, Nebr., 8 miles south.	2	1 p.m.	1		4,000	Hail and wind.....	Property damaged.....	Do.
Cambridge Springs, Pa., and vicinity.	3	A.m.			7,500	Tornado.....	Many trees uprooted; several buildings unroofed; house destroyed by lightning.	Do.
Binghamton, N.Y.....	3	3:14-5 p.m.				Thunderstorm.....	Several barns destroyed; house damaged by falling tree; roofs blown off.	Do.
Syracuse, N.Y., central section.	3	P.m.				Hail and rain.....	Damage confined to broken glass in skylights and greenhouses.	Do.
New York, western, central, and southern sections of State.	3	do.		1		Electrical and wind.	Hundreds of trees blown down, blocking highways and crippling telephone and power lines; 2 barns demolished; many roofs and garages damaged; man killed by high-tension wire blown down by the wind.	Do.
Columbiana County, Ohio.....	3				31,000	Wind.....	No details.....	Do.
Scranton, Pa.....	3					Wind, electrical.....	Damage mostly to trees and wires.....	Do.
Teton County, Idaho.....	4	11 a.m.	1 1/2-2		30,000	Heavy hail.....	Considerable loss to crops; path 8 miles long.	Do.
Seibert, Colo.....	4	3 p.m.	1 1/2-2	1		Heavy rain and hail.	Flood waters due to heavy rains caused the death of 1 person; cattle also lost; slight damage to crops; path 25 miles long.	Do.
Valley Junction, Iowa.....	4	3:30 p.m.			2,500	Tornado.....	3 freight cars overturned; shed unroofed, tool house demolished.	Do.
Prairie City, Iowa.....	4	4 p.m.			12,000	do.....	Property damaged.....	Do.
Lanark, Ill.....	4				725	Electrical.....	Loss in livestock \$225; property damage \$500.	Do.
Amsterdam, Iowa.....	4				20,000	Wind.....	Property damaged.....	Do.
Dallas and Polk Counties, Iowa.	4				4,000	Thundersqualls.....	2 barns destroyed by lightning.....	Do.
Newton, Kellogg, and Grinnell, (near), Iowa.	4				20,000	Tornado.....	Property damaged.....	Do.
Pennington, N.Mex.....	5	3 p.m.	1 2			Heavy hail.....	Gardens destroyed.....	Do.
Lynchburg (near), Va.....	5	4:30 p.m.		1		Electrical.....	Lightning from practically clear sky killed 1 person.	Do.
Trempealeau and La Crosse to Monroe Counties, Wis.	5	5:15-6:30 p.m.			245,000	Thundersquall and hail.	Storm entered Wisconsin from Minnesota; 16 barns and many smaller buildings blown down or damaged; trees uprooted and crops flattened; cattle killed; damage from hail amounted to \$45,000.	Do.
Holdrege-Lincoln, Nebr.....	5	7-9 p.m.	1 30	2	40,000	Wind.....	Damage to plate glass, roofs, trees, and electric lines; boy killed by flying timber; death of linesman resulted next morning while repairing power line.	Do.
Lincoln, Pipestone, Rock, Murray, and Cottonwood Counties, Minn.	5	9 p.m.			200,000	Thunderstorm and hail.	Hailstones, varying in size from pea to hen egg, covered the ground to the depth of 2 inches in places; loss to crops, especially corn; half of loss estimated occurred in Pipestone County where some cornfields were entirely ruined; damage to wire systems and trees.	Do.
Hand, Beadle, and Kingsbury Counties, S. Dak.	5	P.m.			20,000	Thundersquall.....	Damage confined to telephone lines and trees, structural damage; sewer troubles and property damage at the State Fair Grounds.	Do.
Marysville, Mo.....	5					Tornado.....	Slight damage to trees and buildings.....	Do.
Austin, Minn., and vicinity.....	6	12:15 a.m.	1 13			Heavy hail.....	Severe damage to growing crops; windows broken; hailstones varied in size from peas to jagged chunks of ice, some as large as baseballs.	Do.
Buffalo, N.Y.....	6	A.m.				Thunderstorm.....	House struck by lightning; farmhouse, barn, and contents destroyed by fire.	Do.
Detroit, Mich.....	6	4 p.m.		2	150,000	Line squall.....	Considerable minor damage throughout city; 2 killed by falling trees; several injured by fallen electric wires; Ford motor plant reported \$150,000 damage due to wind blowing sand and grit into bearings of machinery.	Do.
Montague, Calif.....	6	4:30 p.m.	1 5			Wind and hail.....	Hail damaged grain; wind demolished a barn and damaged trees and roofs.	Do.
Santa Fe, N.Mex.....	6	5 p.m.	1 6			Heavy hail.....	Gardens ruined; loss in fruit crop.....	Do.
Sanderson, Tex.....	6	8:30 p.m.	1 1		5,000	Wind.....	Building and houses damaged; 2 persons injured.	Do.
New York, northern portion of State.	6	P.m.		1		Electrical and wind.	Telephone and power lines damaged; boy killed by lightning; several barns burned.	Do.
Camden, Ark.....	6					Wind.....	Considerable damage reported; windows broken and signs blown down.	Do.
Wayne City, Ill.....	6				5,000	do.....	Property damaged.....	Do.
Rhode Island, entire State.....	7	2:50-5:35 p.m.		1		Severe thunderstorm.	Man killed and 10 persons stunned by lightning; 20 houses and 2 churches struck.	Do.
Havre, Mont.....	7	5-5:16 p.m.			2,000	Wind and dust.....	Electric poles and wires down; trees blown over; property damaged.	Do.
Browndale, Minn., vicinity of.	8	12:30 a.m.				Heavy hail.....	Severe damage to crops; windows broken.	Do.
Holt and Antelope Counties, Nebr.	8	5-7 p.m.	1 2-5		5,000	Hail and wind.....	Property damaged.....	Do.
Stanton-Pilger, Nebr.....	8	6-7 p.m.	1 5-7		50,000	Hail, wind, and rain.	Loss to crops; small buildings demolished; trees uprooted; windows broken; basements and highways flooded.	Do.
Sibley, Nicollet, Le Sueur, Rice and Goodhue Counties, Minn.	9	11 p.m.			100,000	Thunder squalls and hail.	Loss to growing crops; considerable damage to trees, silos and farm buildings.	Do.
Bloomfield, Nebr., 8 miles northeast.	9	P.m.	1 1		5,000	Hail.....	Property damaged.....	Do.

1 Miles instead of yards.

## SEVERE LOCAL STORMS, JULY 1934—Continued

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Guttenberg, Clayton, and Millville, Iowa.	9-10					Heavy rain and hail.	Guttenberg: Crop loss amounted to several thousand dollars. Clayton: Landslide held up train service for several hours on the Chicago, Milwaukee, St. Paul & Pacific R.R. Millville was flooded as a result of creeks overflowing.	Official, U. S. Weather Bureau.
West Union, Iowa, and vicinity.	10	A.m.			\$75,000	Tornado	Nearly 1,000 trees blown down or badly damaged; telephone lines down; houses unroofed.	Do.
Jacksonville, Ill., and vicinity	10	P.m.			920,000	Tornadoic winds and heavy hail.	Business, utility, industrial and residential properties damaged; many large trees blown down; \$750,000 damage including \$125,000 crop loss in Jacksonville alone; 25 persons injured and several subsequent deaths reported.	Do.
Carbondale, Colo.	10					Electrical.	A bolt of lightning severely injured a farmer and caused much damage to farm buildings.	Do.
Fairview, Ill., and vicinity.	10		1 3-4		150,000	Hail.	Crop loss and property damage.	Do.
Havana, Ill.	10				75,000	do.	Loss to crops and property damaged.	Do.
Virginia, Philadelphia, Illinois, and vicinity.	10		1 6		51,000	Wind and hail.	Property damage \$1,000; crop loss \$50,000; path 15 miles long.	Do.
Woodson, Ill.	10				1,000	Wind.	Property damage: corn blown down.	Do.
Bloomfield, Nebr.	11	6 p.m.	1,320		3,000	Hail and wind.	Property damaged.	Do.
Cleveland, Ohio, and vicinity.	11	6:28-7:08 p.m.				Thundersquall and hail.	Considerable damage reported.	Do.
Trenton, Aviston, and Carlyle, Ill.	11				2,500	Wind.	Electric service disabled; property damaged; trees blown down; loss in shocked grain.	Do.
St. Louis, Mo.	11					do.	Damage to trees and wires in northwestern portion of the city.	Do.
Minonk, Ill.	12				2,000	Electrical.	Loss in stock; barn destroyed.	Do.
Victoria, Ill.	12				4,500	Hail.	Loss in crops.	Do.
Erie, Pa., and vicinity.	12					Wind, electrical.	Telephone poles down; trees uprooted; property damaged.	Do.
Schroepel, Hastings, and West Monroe Counties, N.Y.	12	5-6 p.m.	2,640		75,000	Hail and thunderstorm.	Between 10 and 20 small sheds and barns blown down; many trees uprooted; calf killed by being picked up and thrown by the wind. Many windows broken; path 20 miles long.	Do.
Calumet and Manitowoc Counties, Wis.	12	8 p.m.			70,000	Thundersquall and heavy hail.	3 barns destroyed; funnel clouds observed at Reedville and Porter; crop loss from hail \$19,000.	Do.
Oswego County, N.Y., and vicinity.	12	P.m.	1 2		500,000	Electrical, wind and hail.	Many buildings on dairy farms demolished; chickens killed; windows broken; nearly all crops ruined in path of storm which was from 15 to 20 miles long.	Do.
Hanson County, S. Dak.	12	do.	1 3			Hail.	Total loss of crops; path 7 miles long.	Do.
Crete to Denton, Nebr.	13	4-5 p.m.	1 3-5		6,000	Hail and wind.	Property damaged.	Do.
Scranton, Pa., and vicinity	13	4 p.m.		2	50,000	Hail, electrical.	Powder mill destroyed; considerable damage at Pittston; traffic and communication interrupted.	Do.
Odell, Nebr.	13	5:30 p.m.	880		8,000	Tornado	Property damaged.	Do.
Riley County, Kans.	13	7:30 p.m.			1,500	Windsquall.	Damage to water tower on the campus of State agricultural college; path narrow and short.	Do.
Washington, Ga.	13					Thundersquall.	Trees uprooted; property damaged; hangar at airport partially destroyed and plane in it wrecked; electric wires down; lighting service badly interrupted.	Do.
Fairfield and Wayne City, Ill., and vicinity.	13				27,000	Wind.	Property damage \$25,000; crop loss \$2,000.	Do.
Hindsboro, Arcola, and Tuscola, west into Moultrie and Platt Counties, Ill.	13		1 5-10		300,000	Hail.	Loss to crops; path 20 miles long.	Do.
Plymouth to Colmar, Ill.	13		1 2		6,500	do.	\$5,000 loss in crops; \$1,500 property damage; path 8 miles long.	Do.
Roberts, near, Ill.	13		1 3		6,000	do.	Loss to crops \$5,000; property damage \$1,000.	Do.
Shelbyville to Strasburg, Ill.	13				11,500	do.	Loss to crops \$10,000; other damage \$1,500.	Do.
Willow Hill, Ill.	13		1 3		25,000	do.	Loss to crops; path 12 miles long.	Do.
Bangor, Iowa	13				10,000	do.	No details.	Do.
Martinsville to Ridgeway, Mo., and vicinity.	13				25,000	Wind.	Widespread damage to farm buildings.	Do.
Subiaco, Ark.	14	6 p.m.			4,000	Tornado	Property damaged over a narrow path.	Do.
Carlisle, Pa., and vicinity	14	P.m.			20,000	Electrical.	4 barns destroyed.	Do.
Pittsylvania County, Va.	14	do.	1 3-5		125,000	Wind and hail.	Loss mostly to tobacco crop, practically 100 percent loss in many fields over an area 3 miles wide and 8 miles long; path of entire storm 20 to 30 miles long.	Do.
Springfield, Ill., and vicinity	14				5,500	Heavy hail.	Windows broken; damage to roofs, gardens, greenhouses, and trees; loss in tomato crop \$4,000.	Do.
Mt. Vernon, Ind.	14					do.	Considerable damage to corn crop and fruit trees.	Do.
Langlade County, Wis.	14				250,000	Thunderstorm and hail.	10 to 90 percent of crops destroyed; roofs badly damaged; windows broken; loss to crops in this county \$150,000; other damage \$100,000.	Do.
Waushara, Green Lake, Fond du Lac, and Calumet Counties, Wis.	14				150,000	Heavy hail.	Crop loss \$100,000; other damage \$50,000.	Do.
Onondago County, N.Y.	15	3 p.m.				Thundersquall and hail.	Trees blown down blocking traffic; telephone and electric service interrupted; glass in greenhouses broken.	Do.
Neligh, Nebr.	15	9 p.m.			4,000	Hail.	Property damage.	Do.
Pontotoc County, Miss.	15				1,000	do.	Loss to crops.	Do.
Little Rock, Ark., and vicinity.	15				40,000	Wind.	Windows broken; Dixie Cotton Oil Co. seedhouse unroofed; large number of shade trees blown down.	Do.
Aledo and Nokomis (near), Ill.	15				750	do.	In Aledo 75 poles blown down; trees uprooted; near Nokomis \$500 property damage; crop loss \$250.	Do.
Springfield, Ill. (near)	15				900	Electrical.	Property damaged.	Do.
Spring Valley, Ill.	15				750	do.	do.	Do.
Ellis, Jackson, Eldora, and York, Iowa.	15				30,000	Wind and hail.	8 barns and from 30 to 40 windmills damaged; loss to corn crop.	Do.
Buffalo, N.Y., and vicinity.	15			1	1,000	Electrical and hail.	Caddy killed and 2 others injured by lightning at Willowdale Golf Club; \$1,000 damage to greenhouses in Williamsville.	Do.
Swormsville, N.Y.	15		1 1		105,000	Hail.	\$80,000 crop loss and \$25,000 property damage; path 6 miles long.	Do.
Waterloo and Seneca Falls, N.Y.	15					Hail and wind.	Much damage to crops and buildings.	Do.
Yancey and Mitchell Counties, N.C.	15				90,000	Excessive rain and flood.	Loss to crops; 22 bridges washed away.	Do.
North Little Rock, Ark.	16					Wind.	Several thousand dollars damage; windows broken, signs, awnings and trees blown down.	Do.

1 Miles instead of yards.

## SEVERE LOCAL STORMS, JULY 1934—Continued

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Aledo, Ill.	16					Wind	Trees uprooted; wire service crippled	Official, U. S. Weather Bureau.
Calhoun County, Miss.	16	P.m.		1		Electrical	Boy killed by lightning	Do.
Evansville, Wis.	17				\$700	Squall	Grandstand at fair grounds unroofed; other minor damage.	Do.
Horry County, S.C.	18	3-5 p.m.	12		18,000	Hail	Damage to crops principally tobacco.	Do.
Tennessee, middle section.	18			1		Thundersquall	Man killed by lightning while fishing; 18 persons injured; trees blown down; cornfield leveled; telephone service disrupted.	Do.
Detroit, Mich.	19	1:50-5:15 p.m.		1		Electrical	Thunder heard at intervals in northwest section of the city; several children playing in the sun, 1 child was killed by lightning, another, 5 feet away, unharmed; no rain falling at the time.	Do.
Decatur, Ill.	19				3,500		Damage to wire service \$3,000 and buildings \$500.	Do.
Ramsey, Dakota, Washington, Goodline and Wabasha Counties, Minn.	19					Thunderstorm and hail.	Considerable damage to property and trees; loss to growing crops.	Do.
Cleveland County, N.C.	19			1		Thundersquall	House and large barn with contents burned after being struck by lightning; boy killed, the mule he was driving also killed; man standing nearby shocked and burned.	Do.
Hartsville, S.C.	19	P.m.			2,000	Electrical	Barn struck by lightning and burned.	Do.
Amelia County, Va.	20	5 p.m.	880		2,000	Hail	Loss to crops.	Do.
Wilson, N.C.	20	P.m.				Tornado	Trees broken; chicken houses and other small buildings blown over; porch furniture blown off, rocker carried across the street onto another porch.	Do.
Jefferson, S.C.	20	do			1,000	Thunderstorm	Church struck by lightning and partially burned.	Do.
Colton and Rensselaer Falls, N.Y.	20			2	20,000	Thundersquall and hail.	Lightning damaged the plant of the St. Lawrence Power Corporation near Colton, N.Y., with \$20,000 loss; in Rensselaer Falls trees were uprooted or broken; corn and other crops ruined by hail; 2 persons electrocuted by high-tension wires brought down by the wind.	Do.
Harrisburg, Pa., 6 miles north.	21	P.m.		1		Electrical	Farmer killed by lightning and several others, in vicinity working in the fields or playing golf at the country club, stunned.	Do.
Susquehanna, Pa.	21	do		1	5,000	do	Man killed and several stunned by lightning; barn destroyed.	Do.
Pacolet, S.C.	21	do		1		Wind	Man killed and 25 others shocked during ball game, wind unroofing stand carrying with it some protective wiring which came in contact with a small power line, the current being carried into wet ground onto which the persons stepped.	Do.
Wytheville (near), Va.	21	do			1,000	Wind, electrical	Barn struck by lightning and burned.	Do.
Penasco, N. Mex.	21	1 p.m.	11			Heavy hail	Considerable damage to gardens.	Do.
Abingdon, near, Va.	21	2:30 p.m.	18		7,500	Electrical and wind.	4 barns containing feed, machinery, and equipment destroyed.	Do.
Pulaski County, Va.	21	3 p.m.	15			Hail	Considerable loss in corn crop, amount not estimated.	Do.
Shelby County, Ohio	22				30,000	Wind	No details.	Do.
Fergus, Judith Basin, and Valley Counties, Mont.	23	4-6 a.m.			75,000	Hail	Crop loss, damage to property.	Do.
Wortham, Tex.	24	5 p.m.	200		15,000	Tornado	Property damaged; several buildings demolished; 3 persons injured.	Do.
Kemp, Tex.	24	5:30 p.m.	11		6,000	Wind	\$5,000 damage to poorly constructed houses; \$1,000 loss to crops, mostly corn; path 5 miles long.	Do.
Indianapolis, Ind., and vicinity.	24	5:30-6 p.m.	33-800		11,000	Tornado	Man seriously injured when the railroad tower in which he was working was blown over; trees uprooted; roofs and porches blown off; communication and power line poles blown down.	Do.
Sandpoint, Idaho.	24	8:15 p.m.	1,320		25,000	Hail and wind	Crops damaged; trees blown down breaking power lines; some small buildings unroofed; path 10 miles long.	Do.
Hardin County, Ohio.	24					Wind	Amount of damage estimated to be in the thousands.	Do.
Gonzales, Tex.	24		300		2,250	Tornado	\$1,500 property damage; crop loss \$750; path 20 miles long.	Do.
Stillwater and Ravalli Counties, Mont.	24			1	60,000	Hail, electrical	Damage estimated for Stillwater County only; lightning killed 1 person and injured another in Ravalli County.	Do.
Taylor, Tex.	24					Tornado	Houses unroofed; trees uprooted.	Do.
Calhoun, Nueces, San Patricio, Bee, Jim Wells, Goliad, and Live Oak Counties, Tex.	24-25			19	4,500,000	Tropical storm	Damage from high tides along the coast from Nueces County to Jefferson County; 85 percent of amount stated, crop loss; numerous minor injuries reported.	Do.
Johnson County, Kans.	25	3:30 p.m.	300			Tornado	Originated 2 miles south and 1 mile east of Olathe, passed north of Stanley where a large barn and shed were demolished; buildings and 9 telegraph poles damaged; path 10 miles long.	Do.
Hoges Store, Eggleston and Berton, Va.	25	6 p.m.	17		5,800	Hail	Damage to crops and buildings; path 12 miles long.	Do.
Hopkinton, N.Y.	25	P.m.		1		Wind and rain	Man electrocuted while attempting to crawl through the fence on his way home in the evening; investigation showed that a power line of the Niagara Hudson Power Corporation had fallen during the storm causing the fence to be charged with electrical current.	Do.
Wilkes-Barre, Pa.	25	do			20,000	Electrical and rain	5 churches and radio station damaged by lightning; much damage by flooding.	Do.
Montoursville, Pa.	25	do			12,000	Electrical	22 Holstein cows killed.	Do.
Lovesville, Va. (near)	25	do				do	Barn including quantity of feed and equipment burned; amount of loss not estimated.	Do.
Woodbury, Berlin, Middletown and Cheshire, Conn.	25				25,000	do	3 buildings destroyed and 6 fires started by lightning.	Do.
Glenarm, Ill.	25					do	Barn burned; loss included 9 horses and mules.	Do.
Paris, Ill.	25					do	9 head of stock killed; 3 injured.	Do.
Roberts, near, Ill.	25				8,000	Electrical	2 barns burned.	Do.
Lupus and Wooldridge, Mo.	25				15,000	Wind	Damage to farm buildings; livestock injured; wires down.	Do.
Nashville, Tenn., and vicinity.	25			1		Electrical and wind.	Telephone poles and trees blown down; man killed while fishing near Madison, 2 others stunned by lightning.	Do.

1 Miles instead of yards.

## SEVERE LOCAL STORMS, JULY 1934—Continued

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
San Antonio, Tex.....	25				\$12,000	Tropical hurricane.	Storm moved inland on Texas coast; wind velocity 43 miles from the northeast in San Antonio; many trees and light and telephone wires blown down.	Official, U. S. Weather Bureau.
Sun Prairie, Wis.....	25				2,000	Hail and wind.....	Roof of factory blown off; trees blown down.....	Do.
Chatham, Va., vicinity of.....	25-26	3:30-6 p.m.	1 2		60,000	Thundersquall and hail.	Loss in tobacco crop 50 to 80 percent; electric service suspended; path 3 miles long; 2 storms, damage of second not estimated.	Do.
Peekskill, N. Y.....	26					Electrical and rain.	Storm waters flooded the quarters of the 71st and 174th Regiments at Camp Smith washing away tents and crippling telephone lines and inundating the parade grounds; member of C.C.C. struck by lightning and critically injured.	Do.
Ulster County, N. Y., southern portion.	26					Hail.....	Considerable damage to apples, grapes and tomatoes.	Do.
Dyer, Tenn.....	26				10,000	Tornado	2 persons injured; small buildings damaged.	Do.
Cheyenne, Wyo.....	26	4:31-5:10 p.m.	1 2½		6,000	Hail and rain.....	Heavy hail fell at the station, some stones 1½ inches in diameter, resulting in considerable damage; sunshine recorder broken and cups of anemometer badly dented; trees stripped of half their leaves; nearly all gardens ruined.	Do.
Grantsburg, Ill.....	27			1		Electrical.....	Man killed.	Do.
Many, La.....	27	5 p.m.			4,400	Thunderstorm	Damage to buildings.	Do.
Chambersburg, Pa.....	27				50,000	Thundersquall.	Communication lines out of order; cellars flooded; several barns burned.	Do.
Cushing, Tex.....	27	5 p.m.	880		300	Tornado	Damage to buildings over path 1½ miles long.	Do.
Roanoke, Va., and vicinity.....	27	6-7:15 p.m.		2	210,000	Thundersquall, heavy rain.	Buildings flooded; 5,000 telephones out of commission; loss in crops not estimated; 2 persons killed by lightning; damage from lightning over the State \$10,000.	Do.
Scranton and northern Pennsylvania.	27-28				100,000	Electrical; heavy rain.	Much flood damage; sewer system and mines flooded at Scranton; oil damage in Wayne County.	Do.
New York, N. Y., and vicinity..	28			1		Electrical and rain.	Considerable damage from lightning and flooding; man killed while working in his garden; bus skidded into pole injuring 4 persons; heavy rain brought joy to potato growers in Suffolk County; they had been threatened with loss of their late crop valued at \$1,000,000.	Do.
Racine, Pine River, and Red-granite, Wis.	29		1 1-1½		2,000	Hail.....	Loss to crops; path 17 miles long.	Do.
Boise, Idaho.....	30	2:45-3 p.m.			3,000	Wind.....	Telephone and electric wires down; number of shade trees uprooted; roofs damaged by falling trees.	Do.
Cortland, N. Y.....	30	P.m.	880			Hail and wind.....	Thousands of dollars' loss to crops, trees, and gardens.	Do.
Thornburg, Ark.....	30					Hail.....	Considerable loss in melons, truck, and fruit.	Do.
Jefferson City, near, Missouri..	31				5,000	Tornadoic winds.	Property damaged; 3 persons injured.	Do.

¹ Miles instead of yards.

## LATE REPORTS, JUNE 1934

Hall County, Ga.....	1-5				\$110,000	Rain and hail.....	Great deal of replanting of corn and cotton necessitated in the northern and southeastern portions of the county; erosion from heavy rains responsible for much damage.	Official, U. S. Weather Bureau.
Oakwood, Okla. (near).....	13	5:30-7 p.m.	1 3		5,000	do.....	Loss principally to crops.	Do.
Arnett, Okla., vicinity of.....	15	6-10:30 p.m.	1 3		6,000	2 hailstorms.....	Considerable damage to crops, chiefly wheat; path 8 to 10 miles long.	Do.
Thomas, Okla., vicinity of.....	15	6 p.m.			45,000	Hail.....	Damage to growing crops.	Do.
Erick, Okla., vicinity of.....	16	5 p.m.	2,640		7,500	do.....	Principal loss to cotton crop; path 5 miles long.	D9.
Canton, Okla.....	16	1-1:30 a.m.	1 4		40,000	Hail and wind.....	Loss to cotton and wheat crops; some property damage, path 30 miles long.	Do.
Blaine County, Okla.....	16	9-11 p.m.			12,000	do.....	Damage to growing crops.	Do.

¹ Miles instead of yards.

